

ANNUAL REPORT
OF THE
UNIVERSITY OF TORONTO
AND
UNIVERSITY COLLEGE
FOR
1890-91.

BY THE
PRESIDENT AND COUNCILS.

PRINTED BY ORDER OF THE LEGISLATIVE ASSEMBLY.



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ANNUAL REPORT OF THE COUNCILS OF THE UNIVERSITY OF TORONTO AND UNIVERSITY COLLEGE FOR 1890-1.

To His Honor The Honorable Sir Alexander Campbell, K.C.M.G., Lieutenant-Governor of the Province of Ontario, Visitor of the University of Toronto and University College :—

MAY IT PLEASE YOUR HONOR :

The President and the Councils of the University of Toronto and University College beg leave to present to your Honor, as Visitor on behalf of the Crown, the following report for the past academic year.

In the last statement submitted to your Honor they were gratified in being able to report to you the inauguration of a new building specially devoted to the Department of Biology and the allied branches of Science, and they then further specified the work in progress for its extension and completion. The plans then in process of execution have since been mainly carried out, and while full accommodation for all requisite instruction in subjects embraced in the Arts studies in Biology, Physiology and Botany has thus been secured, arrangements have been entered into with the Medical Faculty whereby it is admitted to the use of certain portions of the building for special work pertaining to instruction in the same branches of science for the medical faculty, on the payment of an annual rent of \$1,200, computed as the interest on the capital sum expended on the erection of such portions of the extended building as are set apart for its use.

The new additions to the aforesaid building include accommodation for the Biological Museum, and the President and Councils are gratified in being able to report the receipt of numerous valuable gifts to replace the losses in this department due to the disastrous fire of February 14, 1890. When the Museum is furnished with the needful fittings and its contents rendered available for students and for the public, it will be found to be enriched with contributions from Universities and other scientific bodies of London, Paris, Washington, Cambridge, Mass., Ann Arbor, Mich., and Montreal, as well as by valuable gifts from numerous private donors, including Sir William Dawson, Dr. Garnier, Dr. McLellan, Colonel Grant, Mrs. Neville, William Christie, Esq., and others. When the furnishings of the Museum have been completed, and all the lecture-rooms, laboratories, and other appliances embraced in the proposed extension and furnishing of the Biological and other buildings are ready for use, many important and much needed means for instruction and scientific research will for the first time be available to Canadian students.

It was the painful duty of the President and Councils last year to report to your Honor the destruction of the main University building by fire. No time was lost in taking all needful steps for its restoration. The liberal response of the Provincial Legislature, of the Legislature of Quebec, and of many generous private donors, supplemented by an inadequate amount of insurance secured on the buildings, have enabled the University authorities so effectually to press on the work of restoration, that the Faculties of Arts and Law resume the work of a new year in the restored building, and they have the assurance of the architect and contractors that the whole will be handed over to them complete on the return of the students after the Christmas holidays in Easter term.

In the plans prepared and approved of for the restoration of the building, the opportunity of remodelling and rearranging the whole, with a view to its adaptation to the growing wants, and the great expansion in various departments of study, has been turned to the fullest account. The inadequacy of the old Convocation Hall for convocations and other public meetings of a University now numbering 2,400 graduates, had long been a subject of complaint. Its destruction placed the site at the disposal of the architect for providing indispensable accommodation for classes, alike increased their requirements by the necessity for subdivision of the work, and in the number of students that had to be provided for. The same results have followed, though in a less degree, from the removal of the Museum of Natural History to the Biological building, and the transfer of the

library to temporary quarters till the completion of a detached and fire-proof library building now in process of erection on the east side of the College lawn.

By the appropriation of this recovered space, and the numerous modifications and additions which the experience of thirty-five years suggested, the gains in the remodelling of the building have been manifold. Greatly extended accommodation has been appropriated to the department of Physics, including lecture-rooms, electrical laboratory, workshop, and other appliances. The department of Psychology has been provided with a laboratory and work-room. The entire east wing has been rebuilt on a new plan, with the result that, instead of nine there are now fifteen lecture-rooms, at the disposal of the Faculty. In the old building there were only six private rooms for Professors and Lecturers; now they amount to twenty-four; and for the first time will enable the Professors and Lecturers to adequately supplement the instructions of the class room by informal tutorial relations with individual students. The transfer of the museum to the new Biological building places a large lecture-hall at the disposal of the Faculty, which it is proposed to turn to account for courses of public lectures, and also to make it available, along with the old library, to supply much-needed examination halls. The large reading-rooms formerly attached to the library have been set apart for a study and reading-room for the lady students, and with other additions co-education will now be freed from impediments that greatly militated against its success. Among other provisions for which space has also been found available in the new wing are a students' reading-room and club-room. Improved ventilation, heating, and the introduction of the incandescent electric light throughout the building, are included among many improvements with which the Faculty will enter on the work of a new year, encouraged by long-coveted facilities now placed at their disposal.

In their report for 1889-90, the President and Councils set forth in some detail the liberal aid, both in money and in books, contributed from various sources to replace the loss of the University library, the want of which has constituted so serious an impediment to the work both of Professors and students. The contributions from the London "University of Toronto Library Restoration Committee," and from many of the Universities both of the old and of the new world, as well as from numerous private donors, have since been largely augmented. The present condition of the library may be thus stated: Of books saved from the fire there are little more than 800 volumes; 2,598 newly purchased works have already been entered in the accession book; and further additions, under order and in course of forwarding to the library, may be stated at about 5,000 volumes. The committee organized, under the presidency of the Marquess of Lorne, for securing contributions towards the restoration of the library, with Mr. A. Staveley Hill, M.P., as Treasurer, and Sir George Baden Powell, M.P., as Secretary, has now closed its labors; and the gifts due to their indefatigable exertions on behalf of the University, and to the liberality of other generous donors, number in all 29,604 volumes. The funds available through the liberality of the Faculty graduates and friends of the University are now being expended, and the purchases made by the library committee under the advice of the Faculty have been mainly directed to meet the practical requirements of the departments, and restore to the library, as far as means permit, its special function as a factor in the educational work of the University. There is thus already at its disposal fully 38,000 volumes, to be increased, it may be confidently anticipated, before the opening of our new library in October next, to not less than 40,000 volumes, including scientific serials from the library of the great chemist, the Hon. Henry Cavendish, choice folios of early date from that of the historian of "The Decline and Fall of the Roman Empire," and other works which derive a special and unique value from their gifted donors.

The plans for the new library building have been carefully prepared by the architect, in co-operation with a committee specially entrusted with the work, and after personal inspection by the architect of some of the more recently erected libraries in the United States. The new structure is now in progress on the site selected for it midway between the buildings appropriated to literary and scientific instruction, and will form an attractive addition to the group of buildings surrounding the College lawn. The plans

aim at the construction of a detached, and, as far as possible, a fire-proof building, embodying the fruits of the most recent experience both in the old and in the new world. The book-room, adapted for the secure accommodation of the entire collection within narrow limits, has been planned on a scale to admit of the reception of 120,000 volumes, with provision for future extension. To this a set of studies will be attached appropriated to the leading departments of science, letters and philosophy. It is further proposed that the entire building shall be illuminated with the electric light, and so furnish an attractive resort where the student may pass his evenings with no less pleasure than profit. With the improvements thus aimed at, it is confidently anticipated that the new library will prove an invaluable adjunct to the whole scheme of higher education, as a common centre of intellectual life, and a bond of closer union among the federating Colleges of the Provincial University.

Thus far steps have been taken for supplying immediate and pressing wants of the University. But even these can only be carried out by the temporary appropriation of funds properly applicable to the purchase of books, and by drawing on capital in the hope of being able to replace it by the sale of lands and by the surplus funds which it is hoped may accrue in future years, and so prove available for this purpose. Meanwhile adequate accommodation is required both for the Department of Chemistry and for that of Geology. A gymnasium is urgently needed as an indispensable requisite for maintaining the health and physical development of the students; and at each new Convocation, or other public University meeting, the need of an adequate Convocation Hall, forces itself with increasing urgency on the attention of all who take any interest in the proper and becoming conduct of University affairs.

Several additions have been made to the teaching staff, pursuant to a report made to the University Senate in April last, and the new lecturers and tutors enter on active duty with the commencement of another academic year. They include in the departments of the Arts Faculty: W. S. Milner, B.A., Lecturer in the Latin Language and Literature; G. H. Needler, B.A., Ph. D., Lecturer in German; J. H. Cameron, B.A., Lecturer in French; W. S. McLay, B.A., Fellow in Italian and Spanish; D. W. McGee, B.A., Fellow in Oriental Languages; J. F. Howard, B.A., Second Fellow in the Department of Mathematics, and W. Lash Miller, B.A., Ph. D., Demonstrator in Chemistry.

In addition to the new members of the Faculty of Arts, as specified above, Professor James Gibson Hume has now returned from pursuing his post-graduate studies at Freiburg, and enters on his duties as Professor in the Departments of Ethics and History of Philosophy, in conjunction with his colleague, Professor James Mark Baldwin, the Professor of Psychology, Logic, and Metaphysics.

In the Faculty of Medicine the following Professors, Lecturers, and Demonstrators will also enter on their duties in Michaelmas Term:—A. B. Macallum, A.B., M.B., Ph.D., has been appointed Professor of Physiology; John Caven, B.A., M.D., Professor of Pathology; and James M. McCallum, B.A., M.D., Professor of Pharmacology and Therapeutics. W. P. Caven, M.B., will enter on his duties as Demonstrator in Clinical Medicine; and T. S. Cullen, M.B., J. T. Fotheringham, B.A., M.B., W. Harley Smith, B.A., M.B., F. N. G. Starr, M.B., and W. B. Thistle, M.D., as Assistant Demonstrators in Anatomy. G. A. Peters, M.B., F.R.C.S., has been appointed Associate Professor of the Principles of Surgery and Clinical Surgery, and Lecturer on Surgical Mechanics; A. McPhedran, M.B., Associate Professor of Clinical Medicine; and G. R. McDonagh, M.D., Lecturer in Laryngology and Rhinology. Mr. A. C. McKay, B.A., will, as Lecturer in Physics, undertake the special work embraced in the requirements for the degree in Medicine, in addition to the duties devolving on him as an instructor in the Faculty of Arts.

The following is a list of the several faculties, embracing all Professors, Lecturers, Demonstrators and Fellows, in the Faculties of Arts, Law and Medicine, including those who enter on their duties in Michaelmas Term, 1891:—

President:

SIR DANIEL WILSON, LL.D., F.R.S.E.

FACULTY OF ARTS.

Professors, etc.:

Physics :—

Professor :—James Loudon, M.A.

Demonstrator :—W. J. Loudon, P.A.

Fellow :—C. A. Chant, B.A.

Mathematics :—

Professor :—Alfred Baker, M.A.

Fellows :—R. Henderson, B.A., and J. F. Howard, B.A.

Mineralogy and Geology :—

Professor :—Edward J. Chapman, Ph.D., LL.D.

Fellow :—W. G. Miller, B.A.

Biology :—

Professor :—R. Ramsay Wright, M.A., B.Sc.

Fellow :—E. C. Jeffrey, B.A.

Physiology :—

Lecturer :—A. B. Macallum, B.A., M.B., Ph.D.

Chemistry :—

Professor :—W. H. Pike, M.A., Ph.D.

Demonstrator :—W. Lash Miller, B.A., Ph.D.

Fellow :—John Munro, B.A.

Philosophy :—

Professor of Psychology, Logic and Metaphysics :—J. Mack Baldwin, M.A., Ph.D.

Professor of History of Philosophy :—J. Gibson Hume, B.A., Ph.D.

Fellow :—F. Tracy, B.A.

History and Ethnology :—

Professor :—Sir Daniel Wilson, LL.D., F.R.S.E.

Political Economy and Constitutional History :—

Professor :—W. J. Ashley, M.A.

Fellow :—J. M. McEvoy, B.A.

Comparative Philology :—

Professor :—Maurice Hutton, M.A.

Italian and Spanish :—

Lecturer :—W. H. Fraser, B.A.

Fellow :—W. S. McLay, B.A.

(In University College.)

Greek :—

Professor :—Maurice Hutton, M.A.

Lecturer :—H. Rushton Fairclough, M.A.

Latin :—

Lecturer :—W. Dale, M.A.

Lecturer :—W. S. Milner, B.A.

Fellow :—R. J. Bonner, B.A.

Ancient History, Greek :—

Lecturer :—H. Rushton Fairclough, M.A.

Ancient History, Latin :—

Lecturer :—W. Dale, M.A.

Oriental Literature :—

Professor :—J. F. McCurdy, Ph.D.

Fellow :—D. W. McGee, B.A.

English Language and Literature :—

Professor :—W. J. Alexander, B.A., Ph.D.

Lecturer :—D. R. Keys, M.A.

French :—

Lecturer :—J. Squair, B.A.

Lecturer :—J. H. Cameron, B.A.

Fellow :—W. O. P. Bremner, B.A.

German :—

Lecturer :—W. H. Vander Smitten, M.A.

Lecturer :—G. H. Needler, B.A., Ph.D.

Fellow :—A. M. Stewart, B.A.

Ethics :—

Professor :—J. Gibson Hume, B.A., Ph.D.

Fellow :—F. Tracy, B.A.

FACULTY OF MEDICINE.

Professors, etc.

Surgery :—

Professor of Practical Surgery :—W. T. Aikins, M.D. LL.D., Dean of the Faculty.

Professor of Clinical Surgery :—L. McFarlane, M.D.

Professor of Principles of Surgery :—T. H. Cameron, M.B.

Associate Professor of Principles of Surgery and Clinical Surgery and Lecturer on Surgical Mechanics :—G. A. Peters, M.B., F.R.C.S.

Medicine :—

Professor of Principles and Practice of Medicine :—H. H. Wright, M.D., L.C.P. and S., U. C.

Professor of Clinical Medicine and Dermatology, —J. E. Graham, M.D., L.R.C.P.

Associate Professor of Clinical Medicine :—A. McPhedran, M.B.

Demonstrator of Clinical Medicine :—W. P. Caven, M.B., L.R.C.P.

Anatomy :—

Professor of General and Surgical Anatomy.—J. H. Richardson, M.D., M.R.C.S.

Professor of Primary Anatomy :—M. H. Aikins, B.A., M.D., M.R.C.S.

Lecturer on Topographical Anatomy and Assistant Demonstrator of Anatomy :—A Primrose, M.B., M.R.C.S.

Demonstrator of Anatomy :—John Ferguson, M.A., M.D., L.F.P.S., L.R.C.P.

Assistant Demonstrators of Anatomy :—

H. Wilberforce Aikins, B.A., M.B., M.R.C.S.

G. A. Féré, M.B., L.R.C.P., M.R.C.S.

T. S. Cullen, M.B.

J. T. Fotheringham, B.A., M.B.

W. Harley Smith, B.A., M.B.

F. N. G. Starr, M.B.

W. B. Thistle, M.D.

Gynæcology :—

Professor :—Uzziel Ogden, M.D

Medical Jurisprudence :—

Professor :—W. W. Ogden, M.D.

Sanitary Science :—

Professor :—W. Oldright, M.A., M. D.

Ophthalmology and Otology :—

Professor :—R. A. Reeve, B.A., M.D.

Clinical Lecturer :—G. H. Burnham, M.D., F.R.C.S., M.R.C.S.

Obstetrics :—

Professor :—A. H. Wright, B.A., M.D., M.R.C.S., Secretary of the Faculty.

General Biology and Physiology :—

Professor :—R. Ramsay Wright, M.A., B.Sc.

Professor of Physiology :—A. B. Macallum, B.A., M.B., Ph.D.

Demonstrator of Practical Biology :—T. McKenzie, B.A., M.B.

Chemistry :—

Professor :—William H. Pike, M.A., Ph.D.

Professor of Applied Chemistry :—William H. Ellis, M.A., M.B.

Physics :—

Professor :—James Loudon, M.A.

Demonstrator of Practical Physics :—W. J. Loudon, B.A.

Lecturer :—A. C. McKay, B.A.

Medical Psychology :—

Professor :—Daniel Clark, M.D.

Laryngology and Rhinology :—

Lecturer :—George R. McDonagh, M.D., L.R.C.P.

Pharmacology and Therapeutics :—

Emeritus Professor :—James Thorburn, M.D.

Professor :—James M. McCallum, B.A., M.D.

Demonstrator of Materia Medica and Pharmacy :—O. R. Avison, M.D.

Pathology :—

Professor :—John Caven, B.A., M.D., L.R.C.P.

FACULTY OF LAW.

Professors, etc.

Political Economy and Constitutional History :—

Professor :—W. J. Ashley, M.A.

Roman Law, General Jurisprudence and History of English Law :—

Professor :—The Honorable William Proudfoot.

Constitutional and International Law :—

Professor :—The Honorable David Mills, LL.B., Q.C.

Wrongs and their Remedies :—

Honorary Lecturer :—The Hon Mr. Justice McMahon.

Constitutional Law :—

Honorary Lecturer :—The Hon. Edward Blake, M.A., LL.D., Q.C.

Ethics of Law :—

Honorary Lecturer :—The Hon. S. H. Blake, B.A., Q.C.

Civil Rights :—

Honorary Lecturer :—D'Alton McCarthy, Q.C.

Municipal Institutions :—

Honorary Lecturer :—W. R. Meredith, LL.D., Q.C.

Criminal Jurisprudence :—

Honorary Lecturer :—Britton Bath Osler, LL.B., Q.C.

Commercial and Maritime Law :—

Honorary Lecturer :—Z. A. Lash, Q.C.

Equity Jurisprudence :—

Honorary Lecturer :—Charles Moss, Q.C.

Comparative Jurisprudence of Ontario and Quebec :—

Honorary Lecturer :—J. J. Maclaren, LL.D., Q.C.

The President and Councils have the gratification of reporting the founding of a scholarship of the annual value of \$300, to be called the "George Brown Memorial Scholarship in Medical Science," the liberal gift of Dr. A. H. F. Barbour, for the special encouragement of research in Medical Science. They have also to record the welcome provision now maturing under arrangements secured by the generous gift of the Chancellor, the Honorable Edward Blake, whereby a capital sum of \$20,000, which it is proposed to supplement by the additional privilege of free tuition, in accordance with a statute of the Senate to that effect, will be devoted to the establishment of matriculation scholarships in the Faculty of Arts.

The work of restoration of the main University building is now so far advanced as to admit of the re-assembling of the students there, and the immediate occupation of the larger number of the new class rooms. The President and Faculty have accordingly had the gratification, within little more than eighteen months after the University had been reduced by fire to a blackened ruin, to hold the annual convocation of Michaelmas Term, on the 5th day of October of the current year, in the Hall of the restored building. At the previous convocation in October 1890, the number of new students in the Faculty of Arts amounted to 181, and in the Faculty of Medicine to 83. The entire number of students in attendance during the past academic year was 700 in Arts, including 128 students of the School of Practical Science availing themselves of the instruction given by Professors and Lecturers of the University. Of 572 students in actual attendance on lectures, exclusive of the 128 students of the School of Practical Science availing themselves of the same, 497 were undergraduates, pursuing full courses of study in accordance with the prescribed requirements of the University and with a view to their proceeding to a degree in Arts. The total number of undergraduates in the Faculty of Medicine, pursuing the prescribed courses with a view to graduating in that Faculty, amounted to 285.

In conclusion, the President and Councils deem it of special importance to invite the attention of your Honor, and that of the Provincial Executive and the Legislature, to the fact prominently set forth in the recent report of the Standing Committee of the Senate on Finance, that, whatever the ultimate experiences of the University may be, they have to anticipate for some years considerable difficulty in meeting some of the most pressing wants of the University. They have the assurance that there are no reasonable grounds for anticipating an increase in the revenues of the University when the unsold lands in the Park estate have been leased or sold, and whatever reversion may ultimately accrue from the Upper Canada College block has been realized. But meanwhile the authorities of the University will undoubtedly have to contend for some considerable time with difficulties arising from an inadequate income; and even when all available means are realized, it is important that the Legislature should bear in remembrance that the entire endowments of this, the State University of the wealthy Province of Ontario, will fall far short of those of the leading Universities of the neighboring States, with which it is expected to compete successfully in all the departments of higher education.

DANIEL WILSON,

President

UNIVERSITY OF TORONTO, Dec. 1891.

